Day 4 Sequences and Series Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pe r\_\_\_\_

Write the rule for each sequence.

1. 10, 8, 6, 4, 2,… 2. ln1, ln2, ln3, ln4, ln5,… 3. 4. 3, 5/2, 2, 3/2, 1, …

Find the formula for for the arithmetic sequence. Find the formula for for the geometric sequence.

5. 6. 7. 8.

Find the 10th term for each sequence.

9. 5, 15, 45, 135, … 10. 9, 5, 1, -3, -7, … 11. 9, -6, 4, -8/3, ….. 12. 3, 10, 17, 24, …

Find the sum of each series.

13. 7+10+13+16+…49 14. 3+ 1+-1+…-35 15. 2+ -6+18+…-4374 16. 4+8+16+…1024

17. 18. 19. 20.

Find the sum of each series.

21. 22.

Find the first five terms of the sequence.

\*23. \*24.